

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Casamino Acids  
 BATCH NO. 18/MFM/2199  
 MANUFACTURING DATE: June 2018  
 EXPIRY DATE: June 2023

TESTS	SPECS	RESULTS
Appearance	Beige Powder	Pass
Solubility in Water (5% solution)	Complete	Pass
pH (5% solution)	4.7 – 5.7	5.1
Loss on Drying	Maximum 6.0%	2.1%
Total Nitrogen TN	7.0 – 8.5%	7.6%
Alpha-amino Nitrogen AN	5.0 – 6.5%	5.8%
AN/TN x 100	56 - 93	76
Chlorides (NaCl)	Maximum 45.0%	41.0%
Total aerobic microbial count	Maximum 5 000 /g	Pass

- The milk casein used for manufacturing the batch of this product is of bovine origin.*
- The casein is sourced in sourced in New-Zealand and come from herds free from Bovine Spongiform Encephalopathy and foot-and-mouth disease after examination by the Veterinary Authorities*

For and on behalf of  
**FORMEDIUM Ltd, Unit 1B**  
**Hunstanton Commercial Park**  
**PE36 5JQ - England**

*[Signature]*  
 (Authorised Signature)

\* This material is supplied for laboratory use only.

Supplier: Formedium Ltd

Approved by:

*[Signature]*

Date: 18 SEP 2018